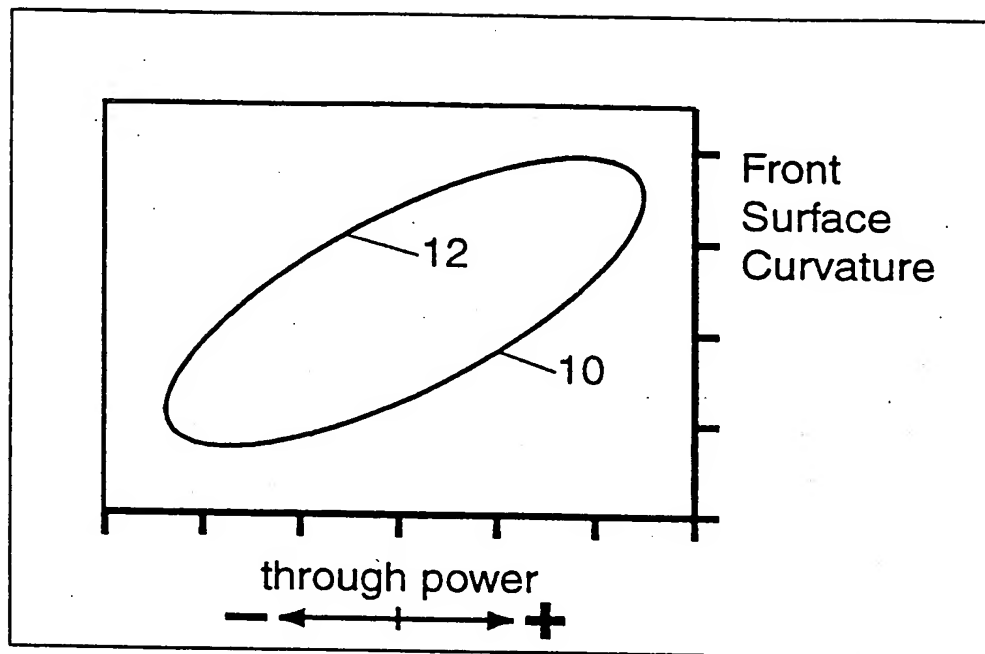
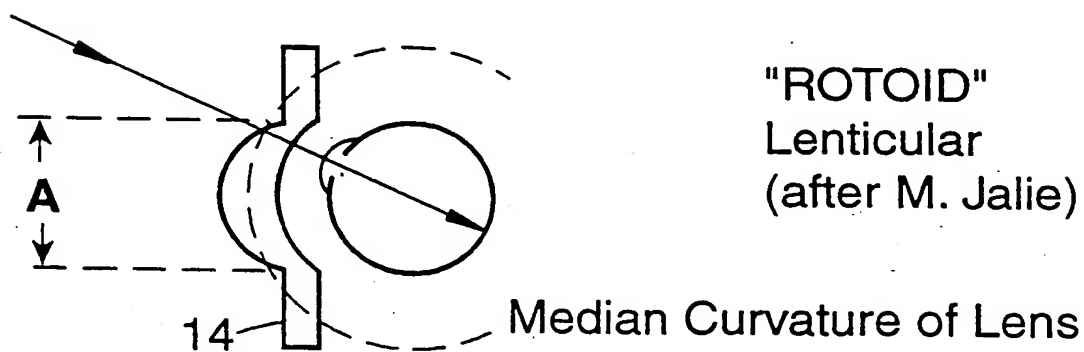


FIGURE 1



A "Tscherning" ellipse

FIGURE 2



PRIOR ART

FIGURE 3

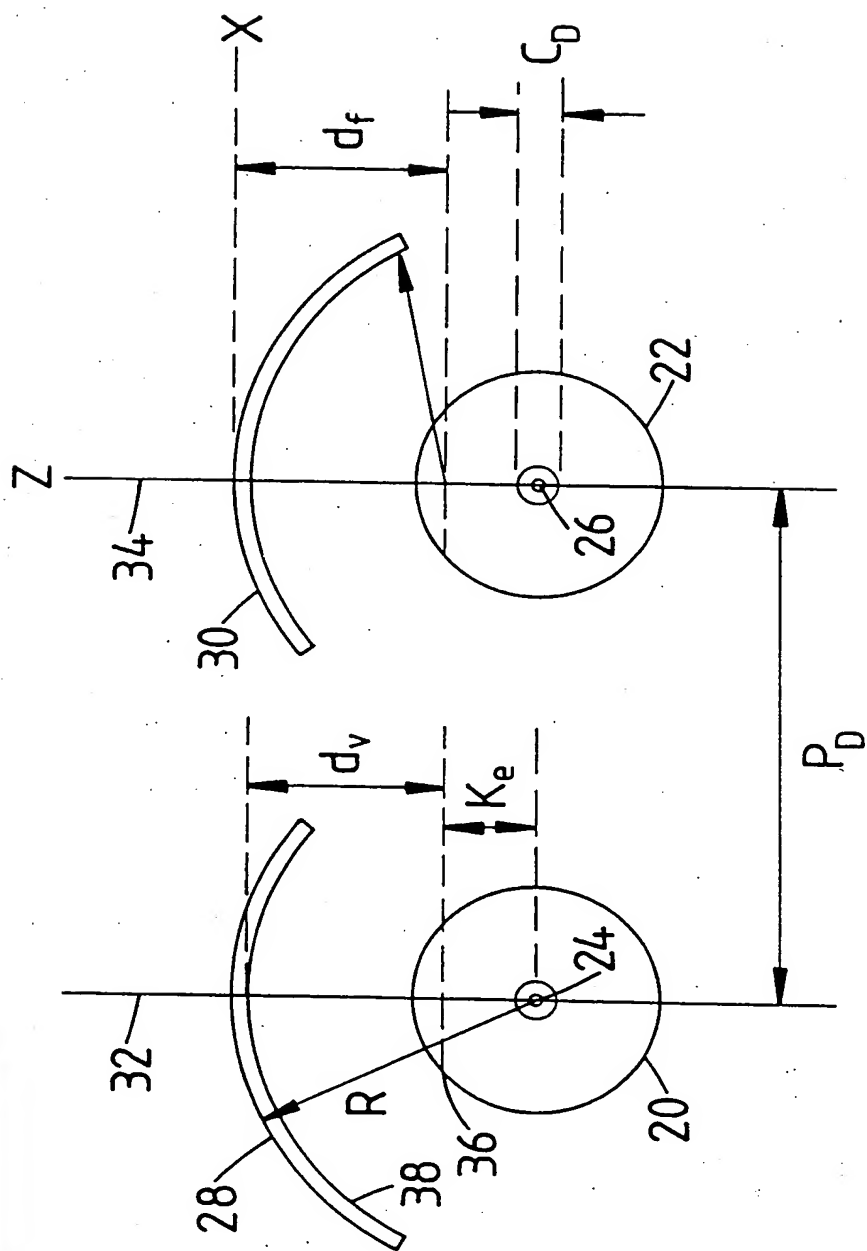


FIGURE 4

Morris - Spratt
Diagram

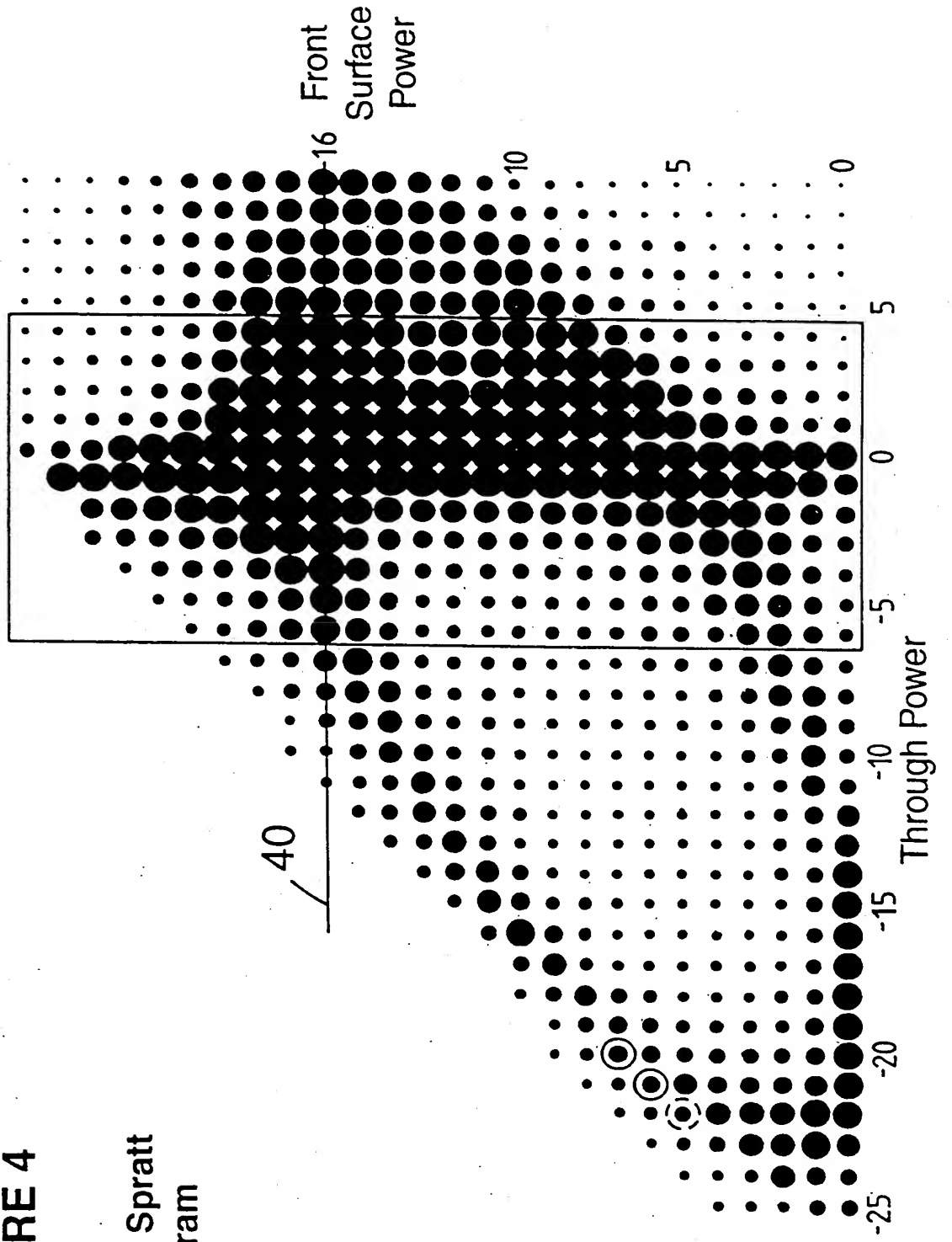


FIGURE 5

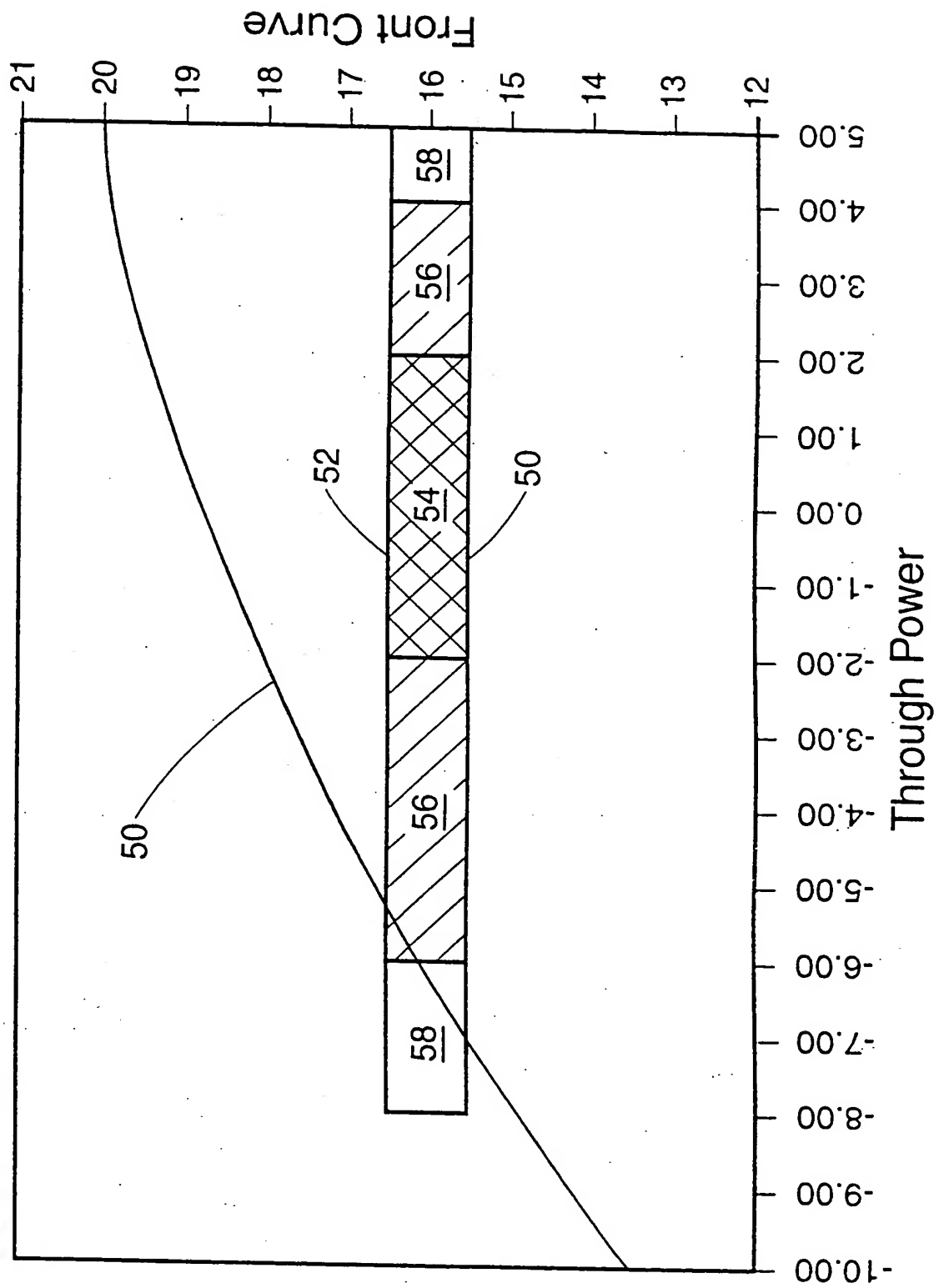


FIGURE 6 (a)

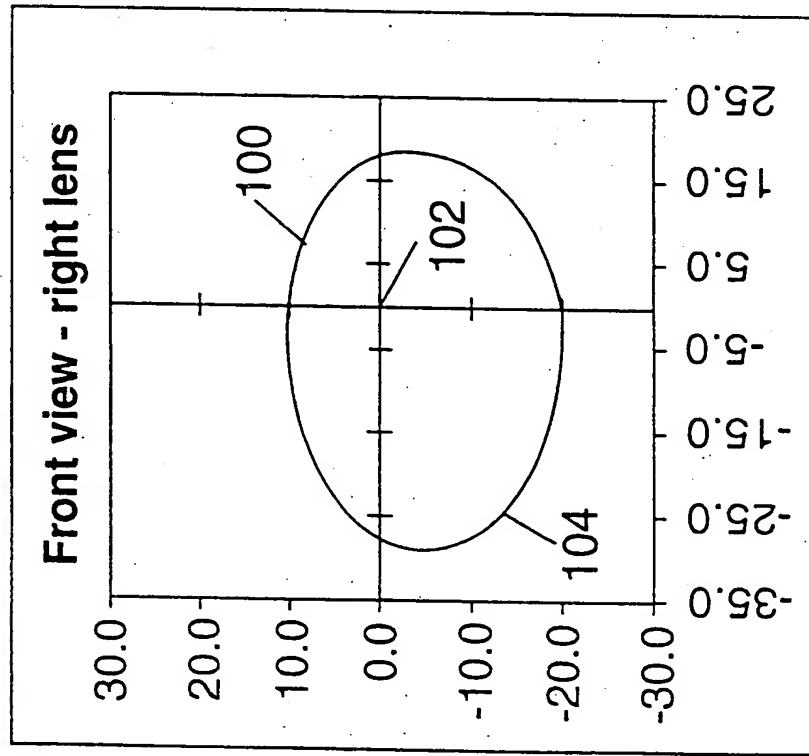


FIGURE 6 (b)

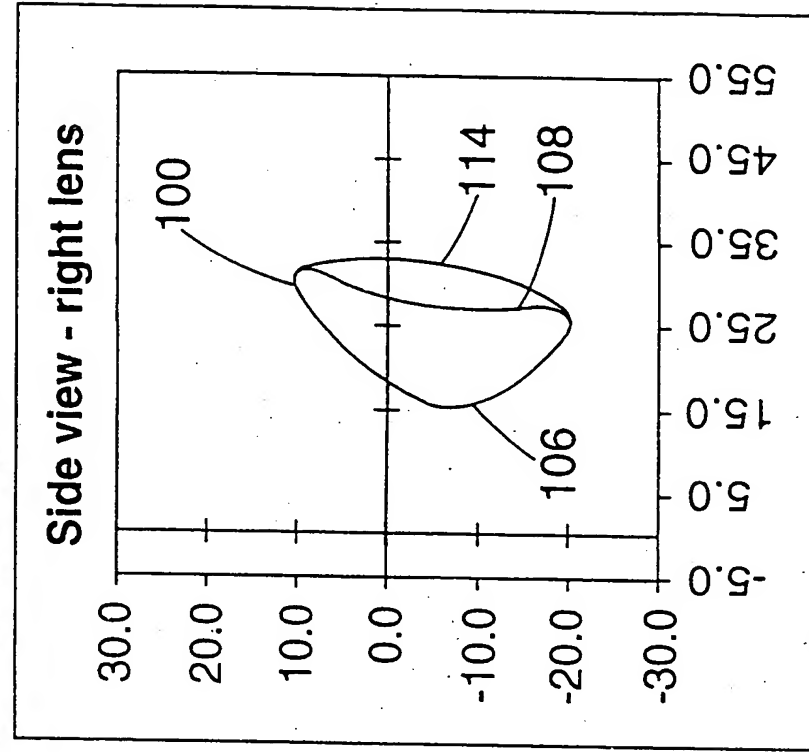


FIGURE 6 (c)

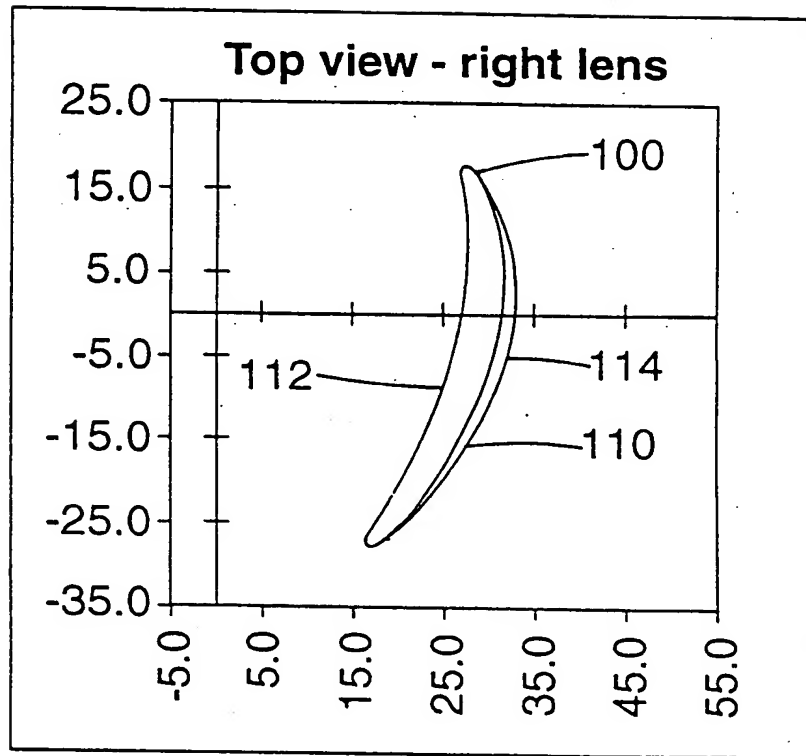


FIGURE 7

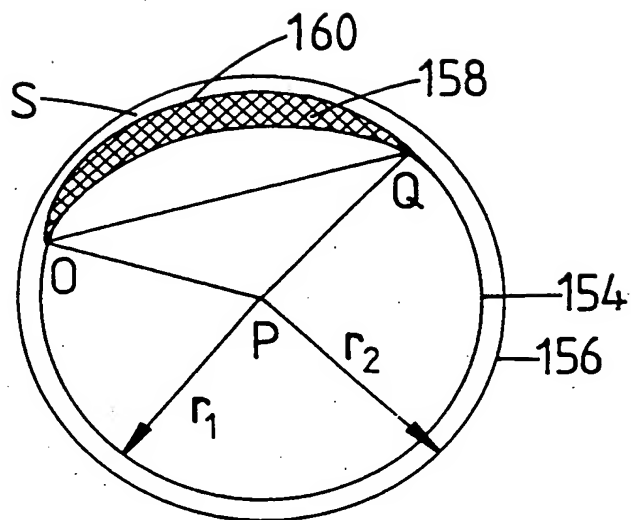


FIGURE 8

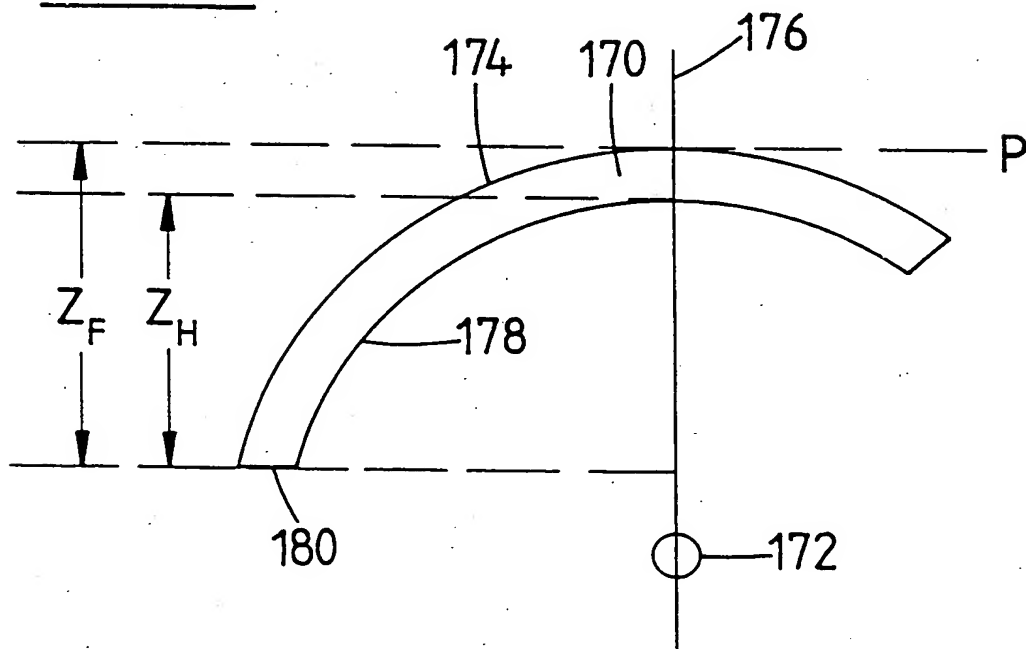


FIGURE 9

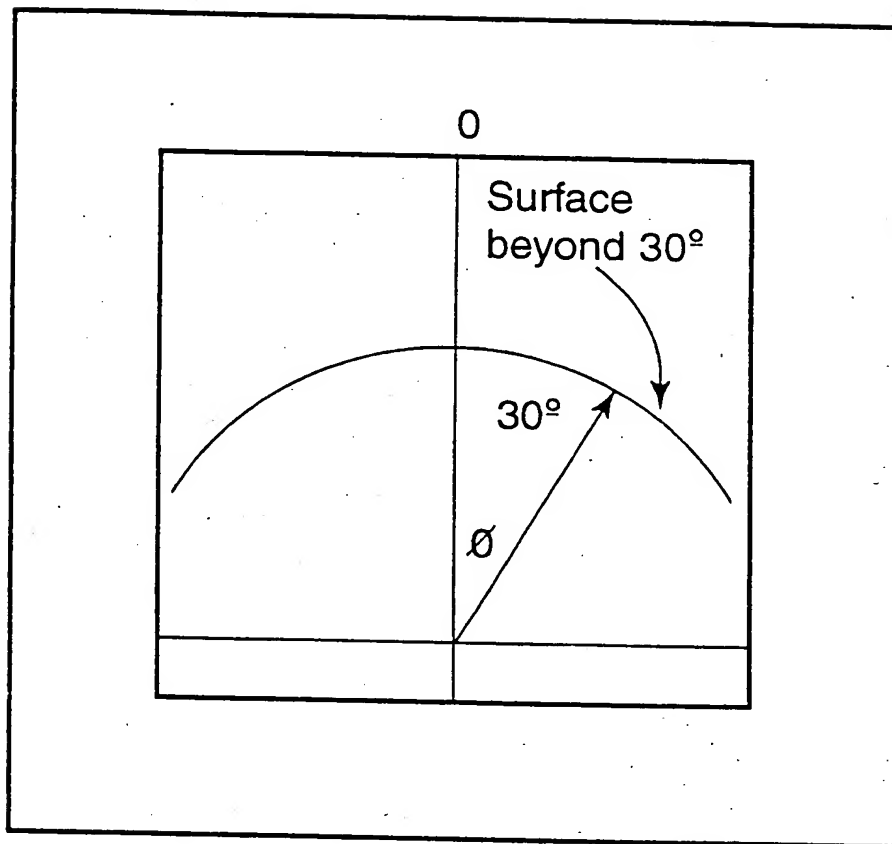
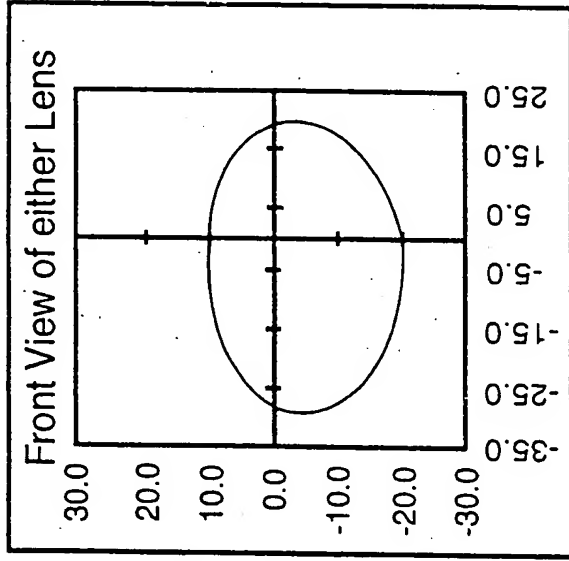
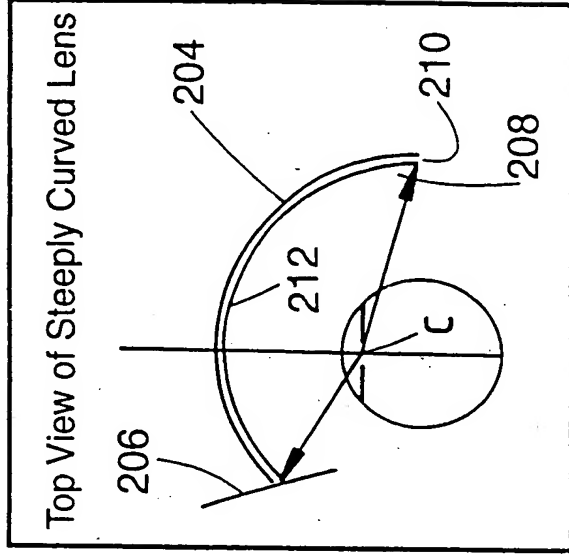


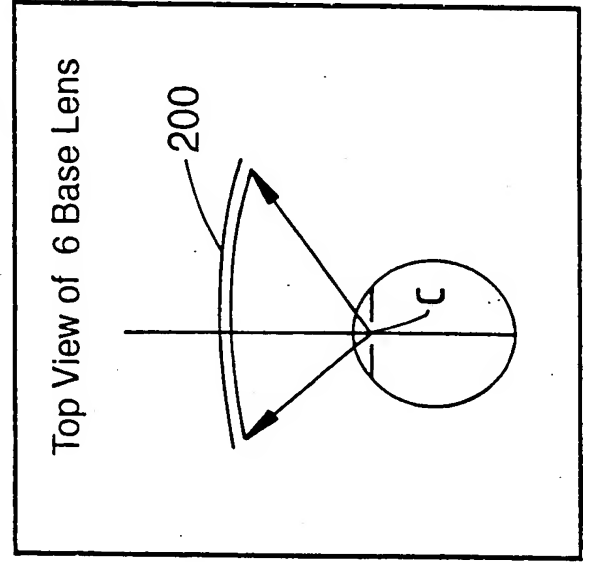
FIGURE 10 (a)



(d)



(b)



(c)

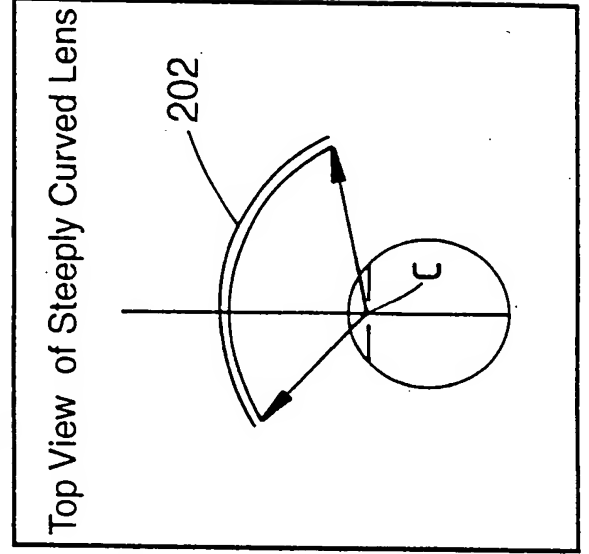


FIGURE 11(a)

surface astigmatism

donut

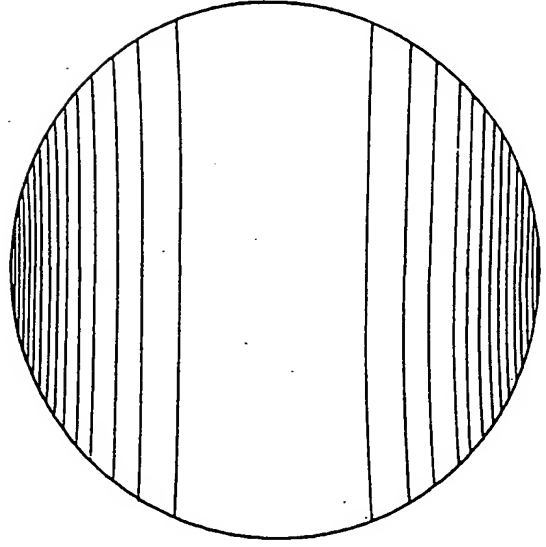


FIGURE 11(b)

barrel

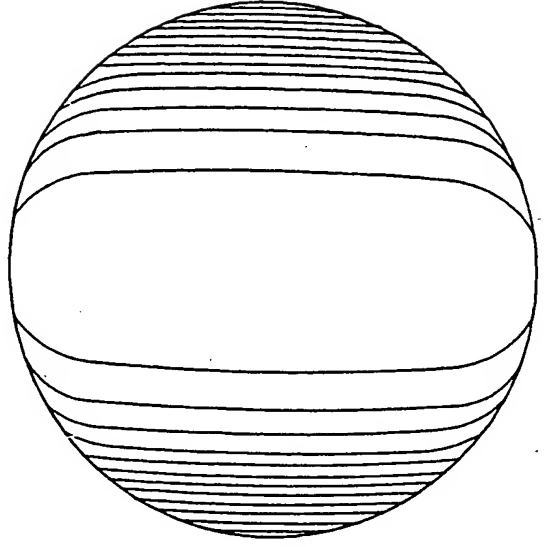
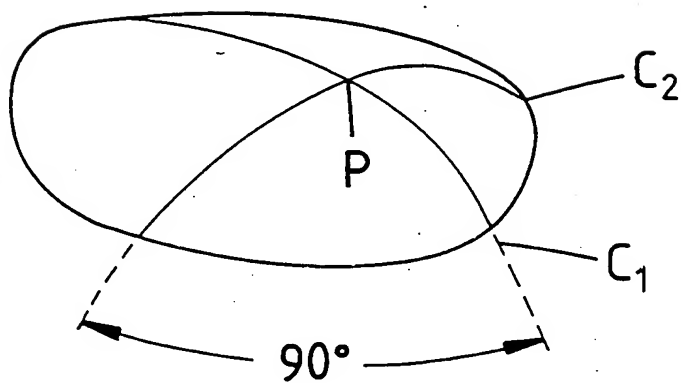


FIGURE 11(c)



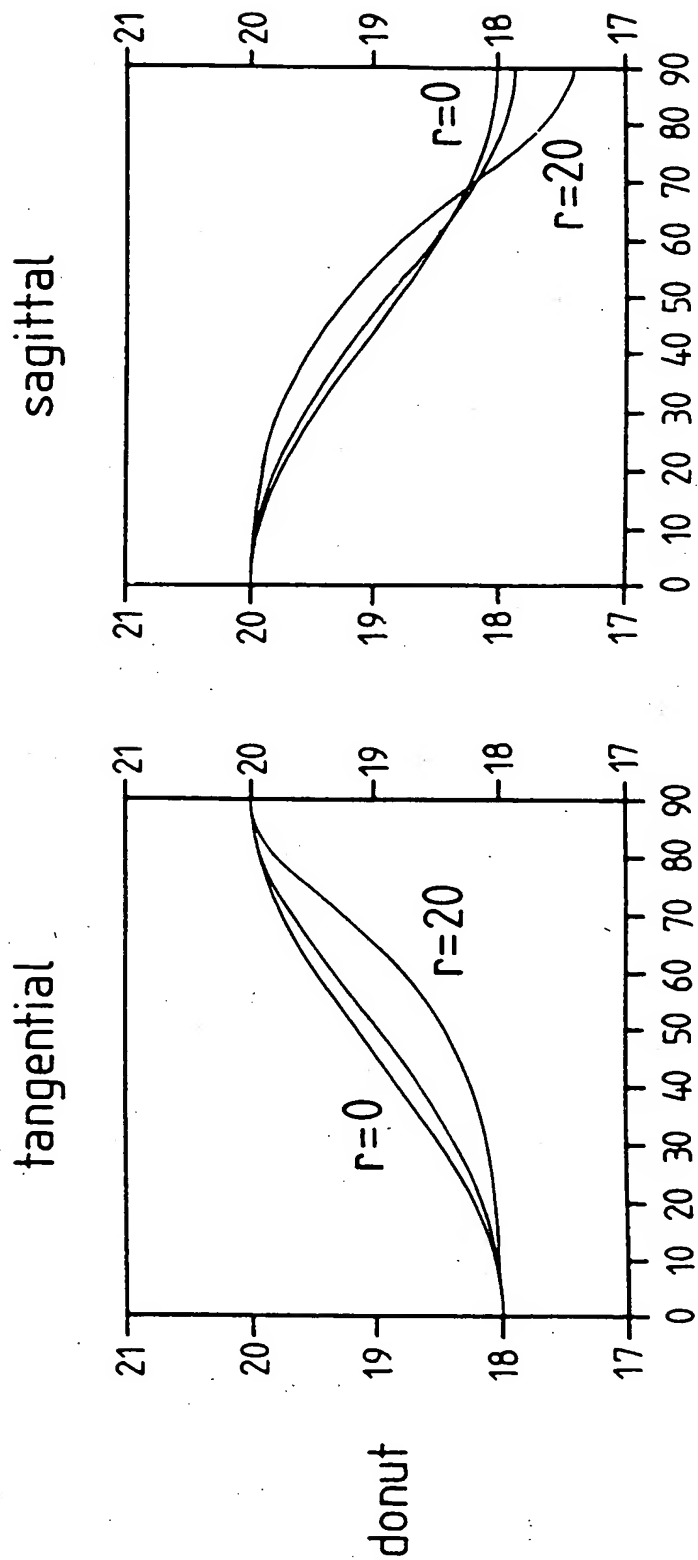


FIGURE 12(a)

FIGURE 12(b)

tangential

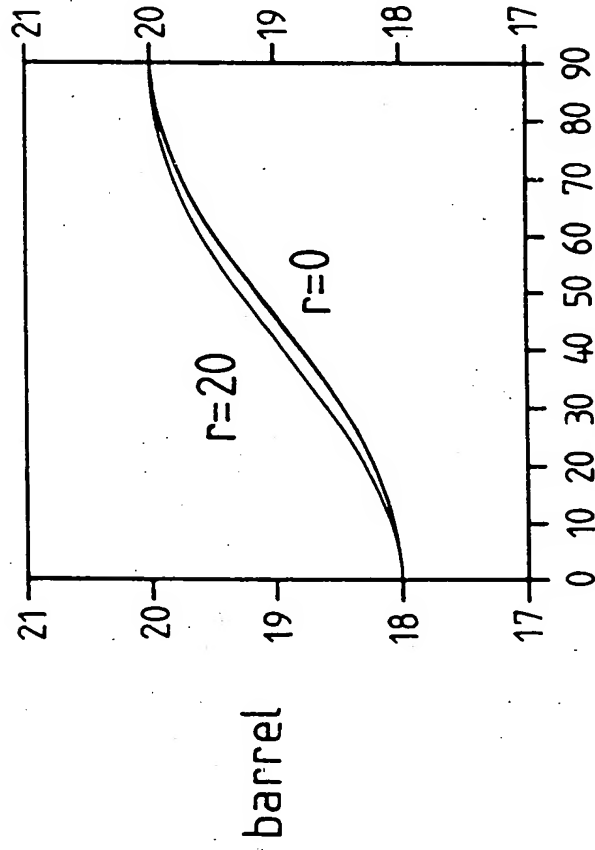


FIGURE 12(c)

sagittal

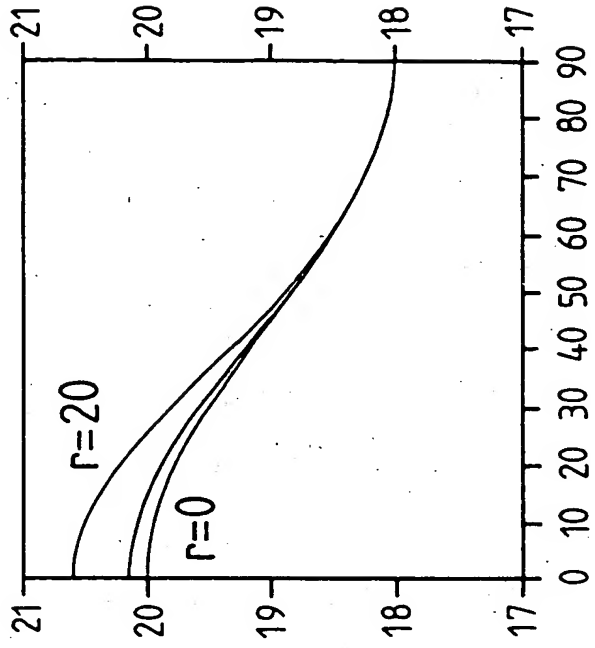


FIGURE 12(d)

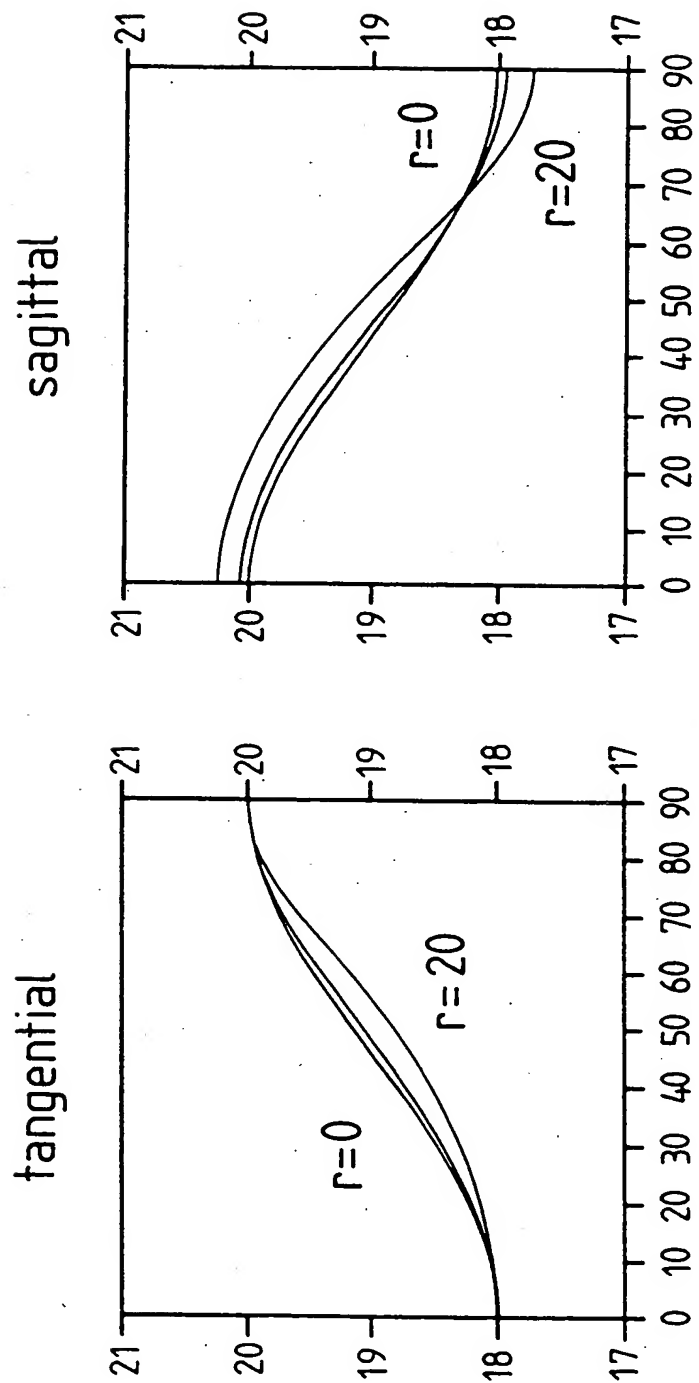


FIGURE 13(b)

FIGURE 13(a)

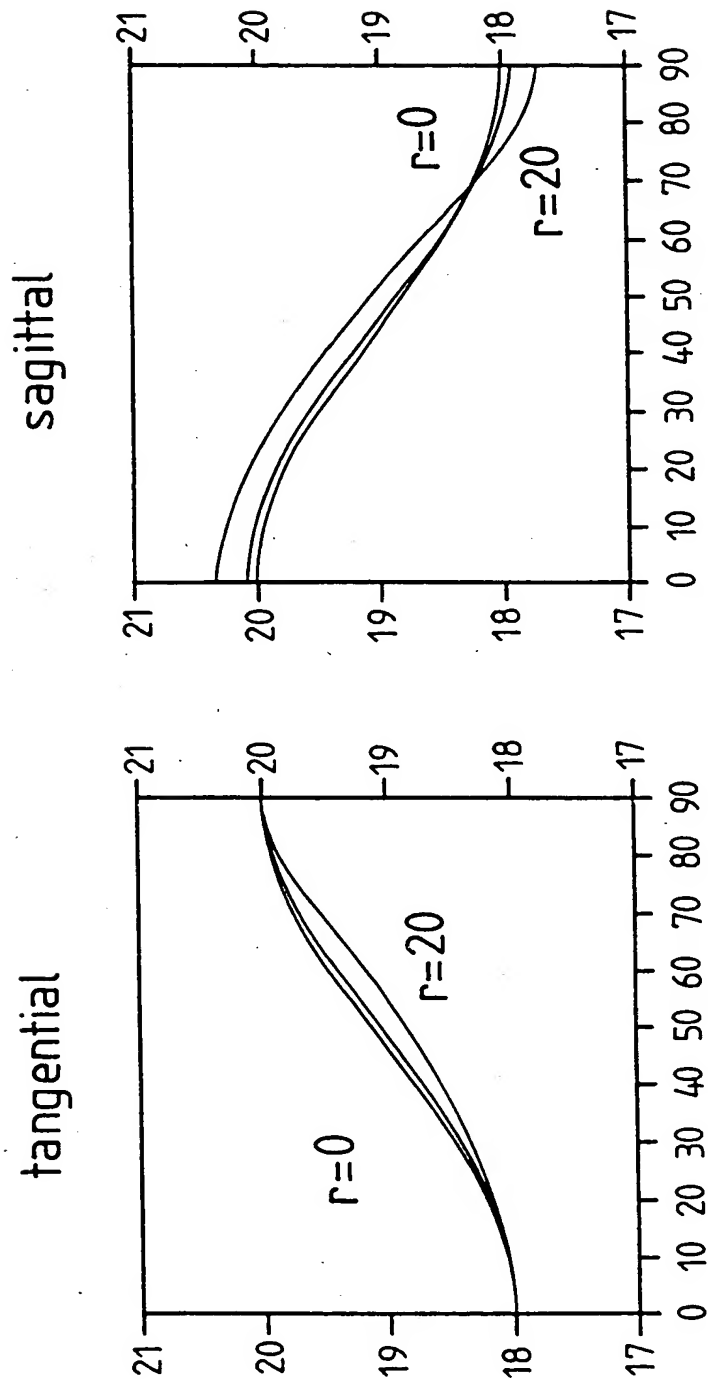


FIGURE 14(a)

FIGURE 14(b)

FIGURE 15

surface astigmatism

circular meridians

averaged torics

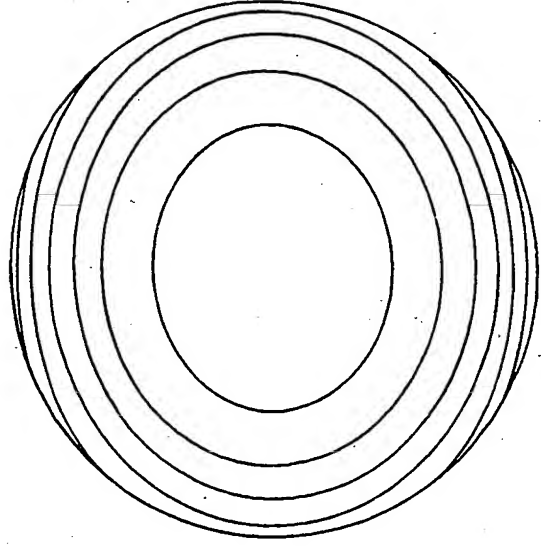
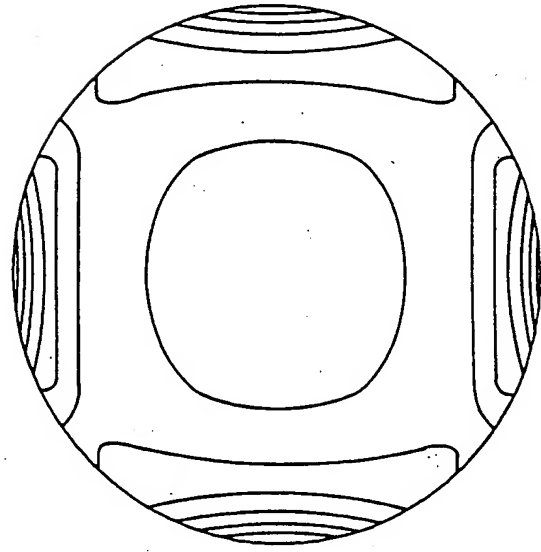


FIGURE 16

surface astigmatism

**circular meridians
one extra coef.**

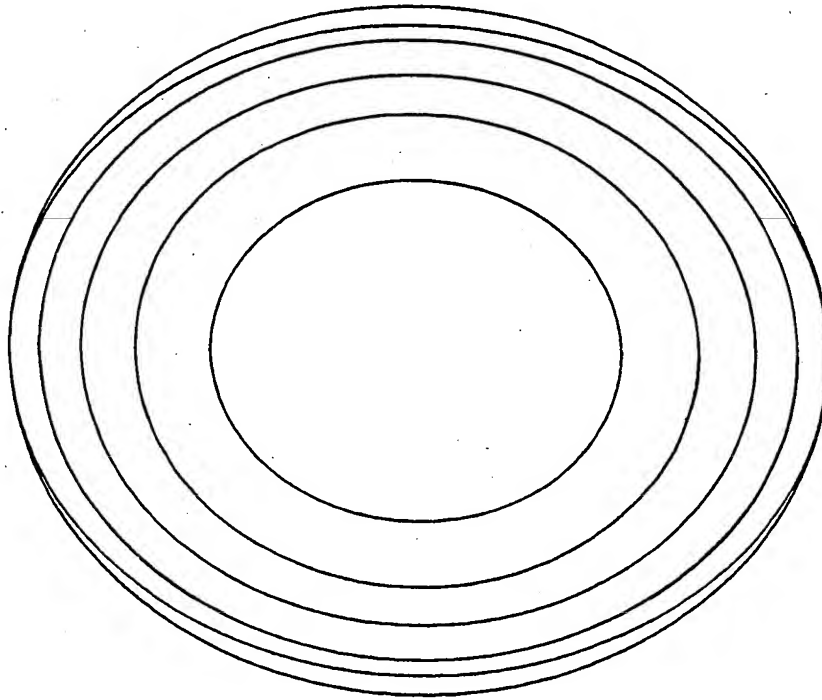


FIGURE 17 (a)

Object Grid

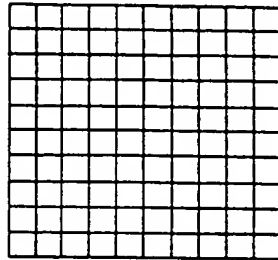


FIGURE 17 (b)

Image through -5.00 Conventional lens

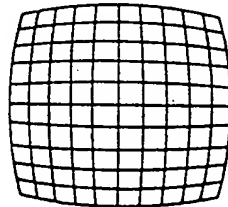
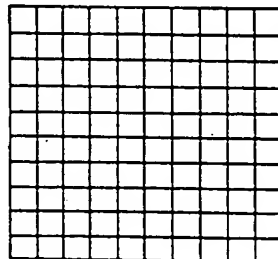


FIGURE 17 (c)

Image through -5.00 Distortion Corrected Lens



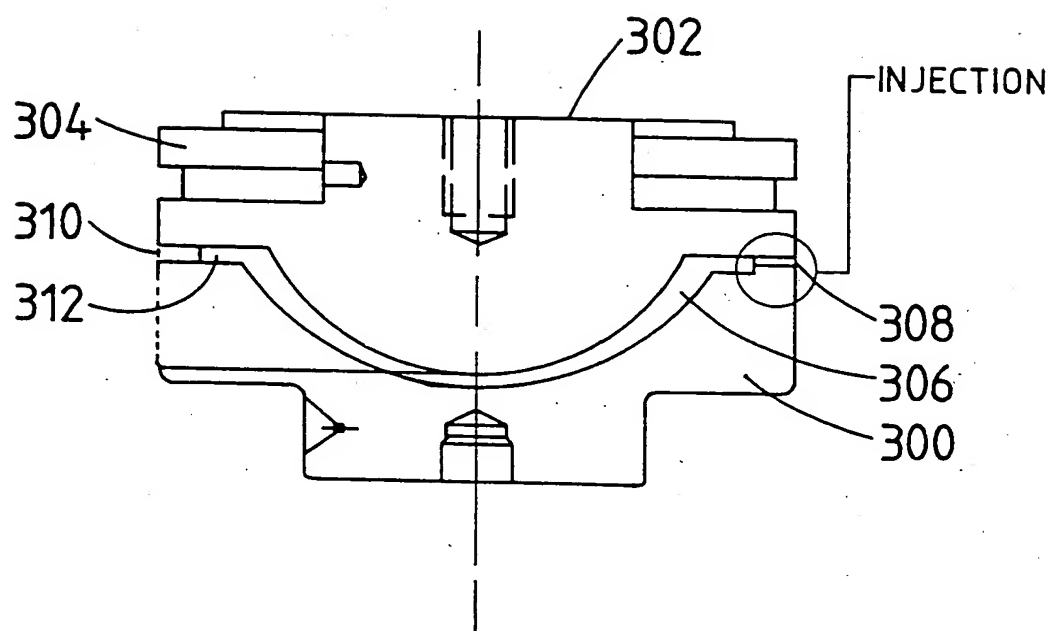


FIGURE 18

FIGURE 19

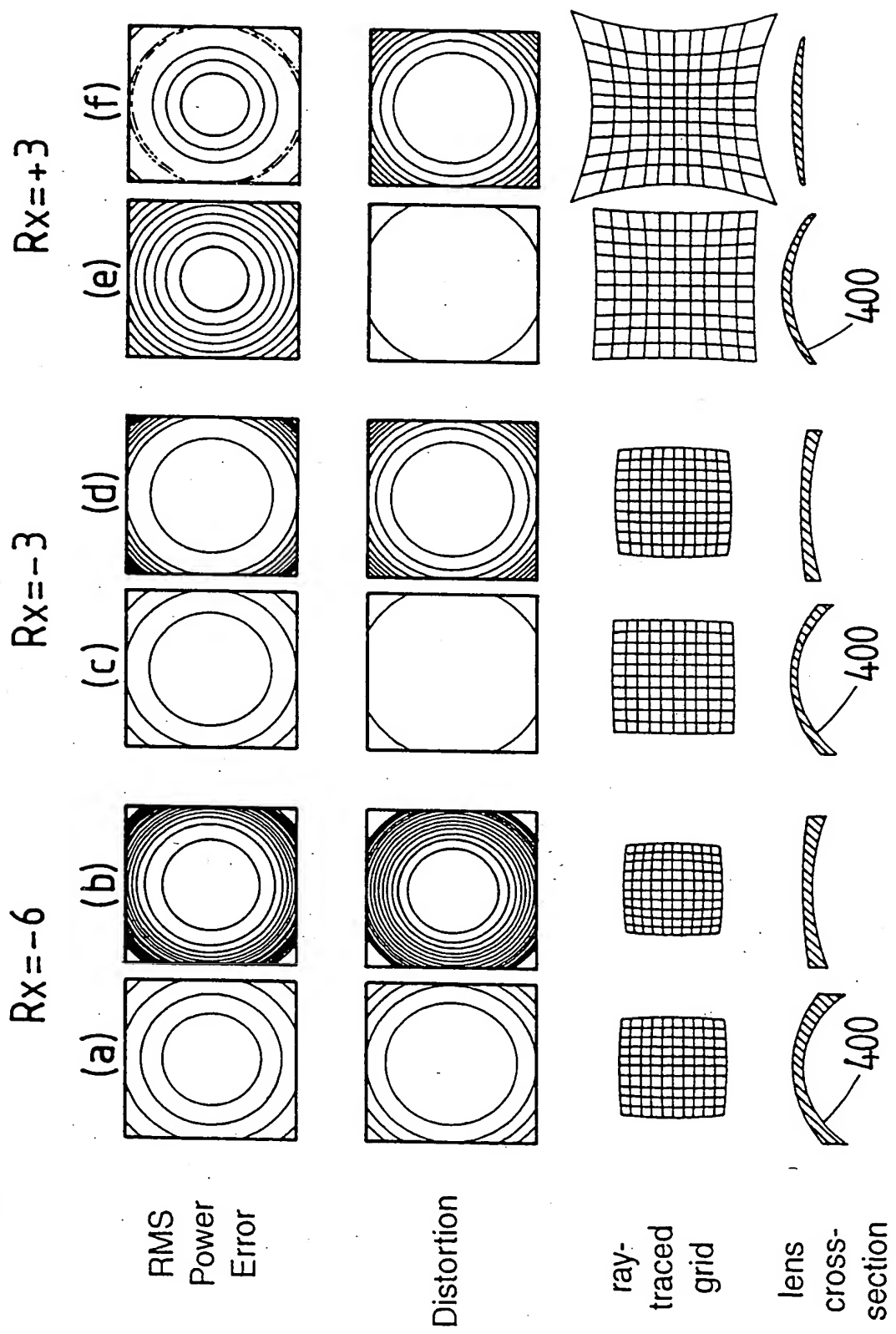
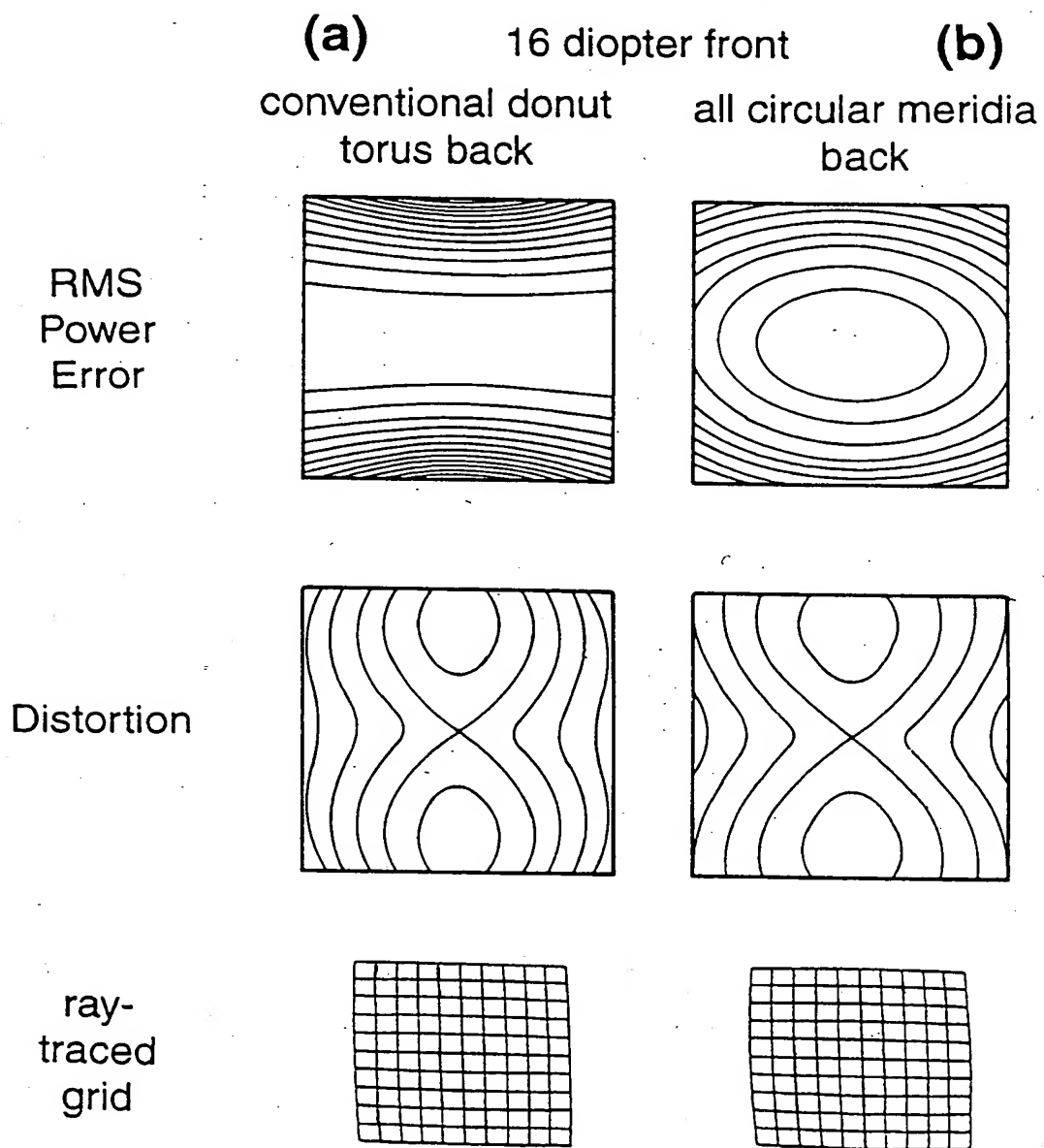


FIGURE 20

$Rx = -3$, $cyl = -2$

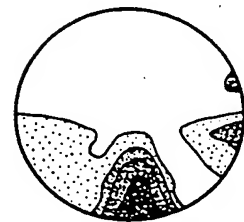
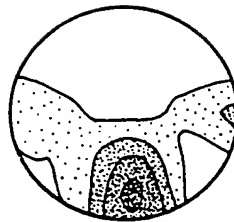


XL Progressive
 Rx=+2.00 D
 Distance Vision

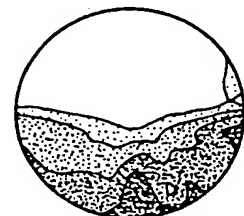
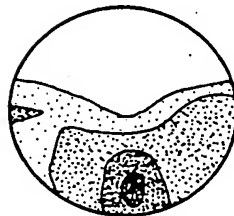
6 Base

Concentric
 Spherical Back

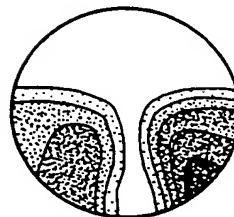
Mean Power
 Error



RMS Power
 Error



Astigmatism



Lens Form



Lens Data

Progressive Front
 Spherical back
 Front=6.00 D @ 1:530
 Rx=2.00 D
 Index = Poly

Progressive Front
 Spherical back
 Front=16.0 D @ 1:530
 Rx=2.00 D
 Index = Poly

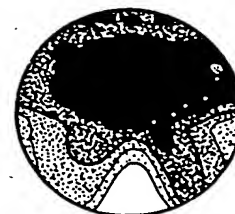
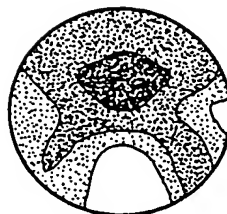
FIGURE 21

XL Progressive
Rx=+2.00 D
Near Vision

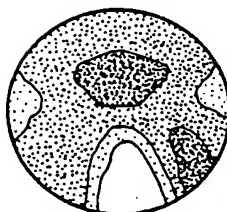
6Base

Concentric
Spherical Back

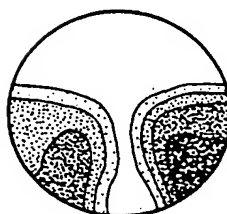
Mean Power
Error



RMS Power
Error



Astigmatism



Lens Form



Lens Data

Progressive Front
Spherical back
Front=6.00D@1.530
Rx=2.00D
Index = Poly

Progressive Front
Spherical back
Front=16.0D @ 1.530
Rx=2.00D
Index = Poly

FIGURE 22

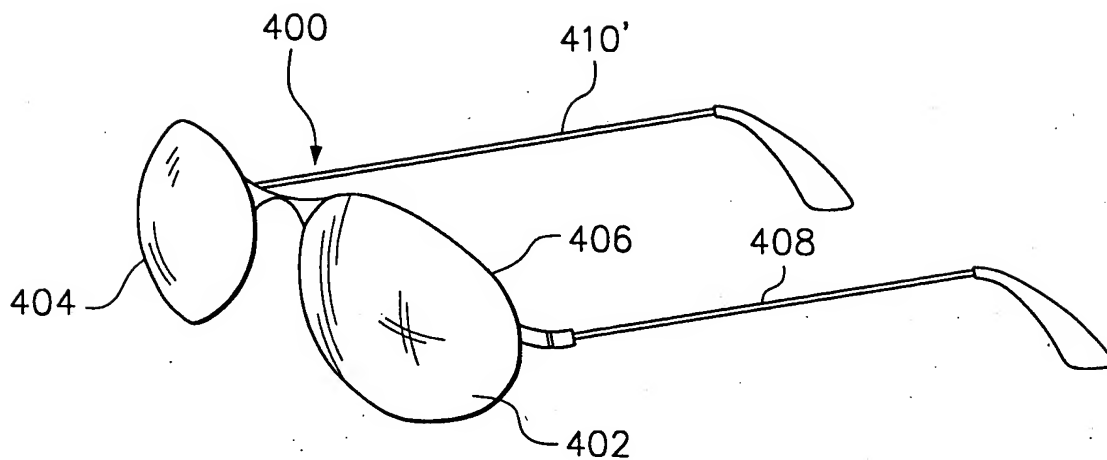


FIGURE 23

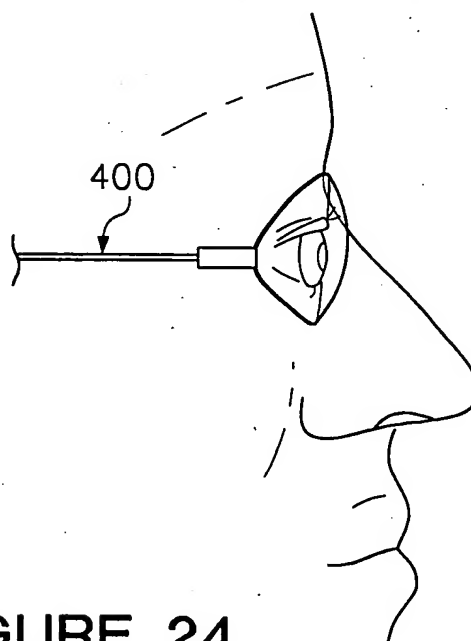


FIGURE 24

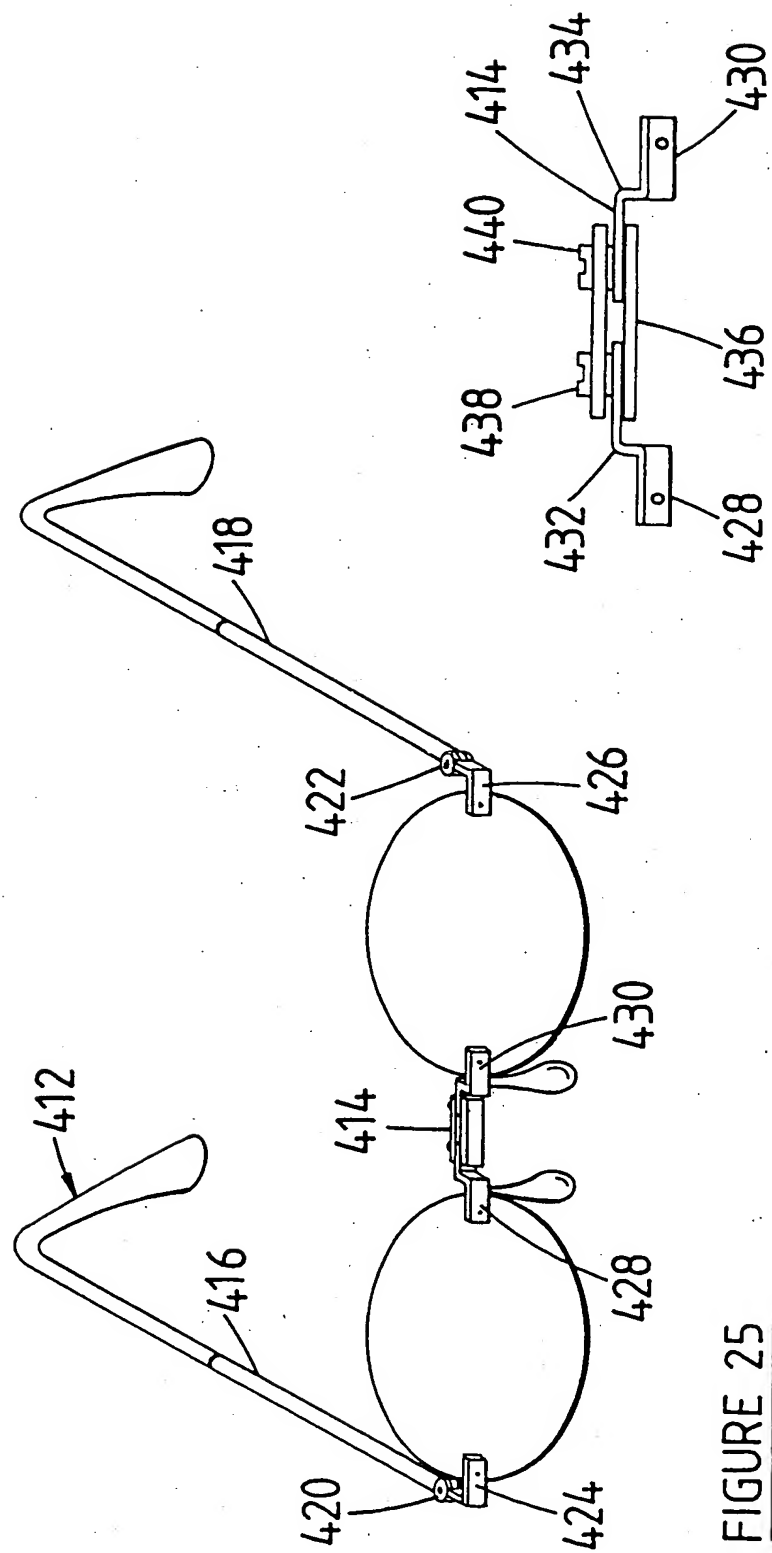


FIGURE 25

FIGURE 25(a)

FIGURE 26

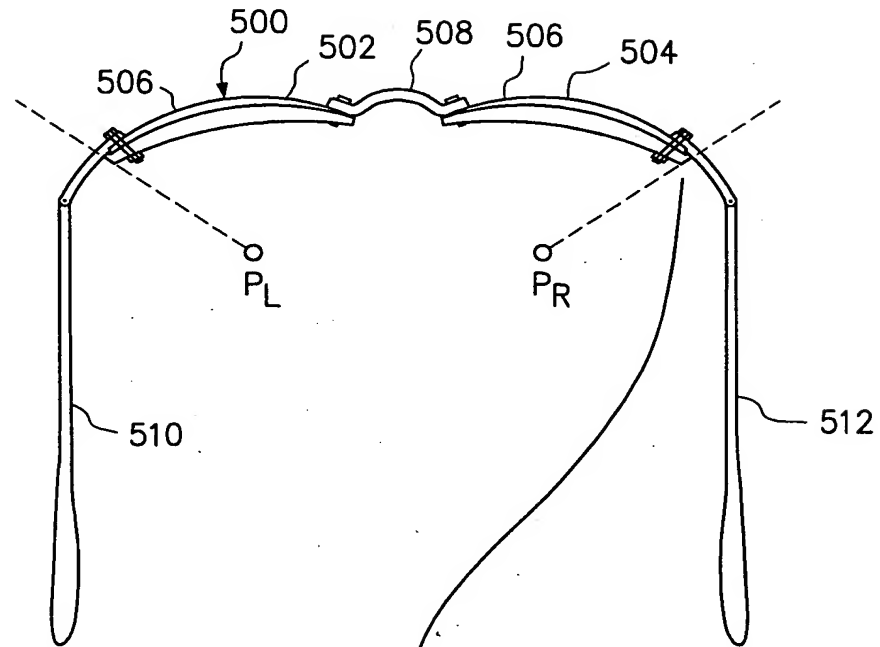


FIGURE 26(a)

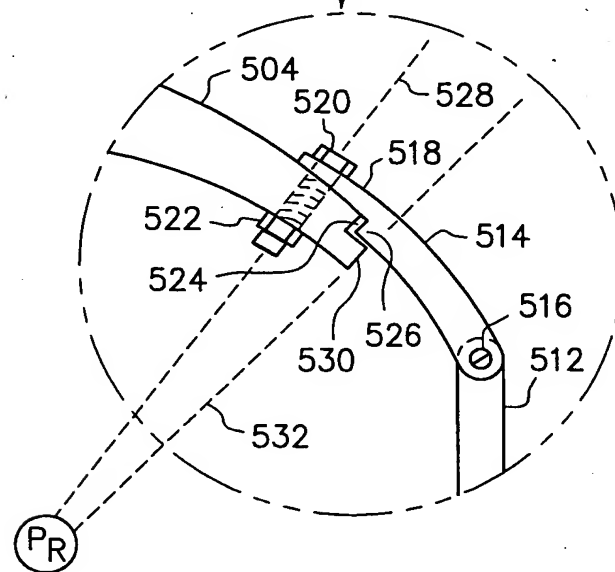


FIGURE 27(a)

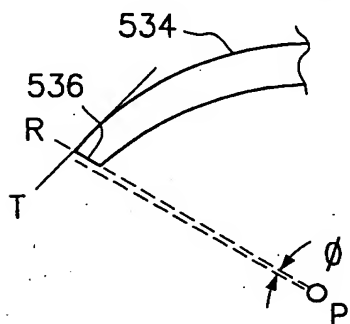


FIGURE 27(b)

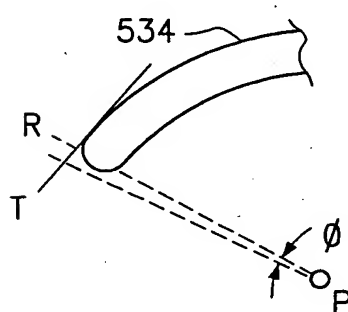


FIGURE 27(c)

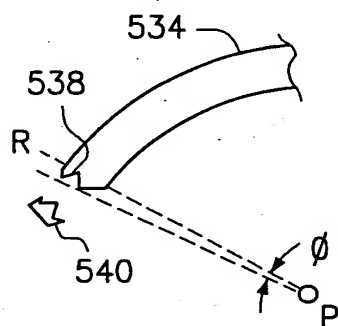


FIGURE 27(d)

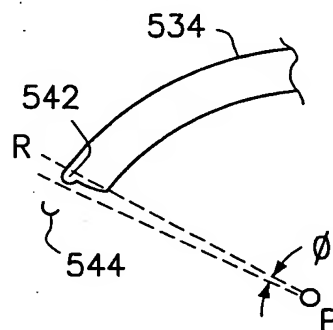


FIGURE 28

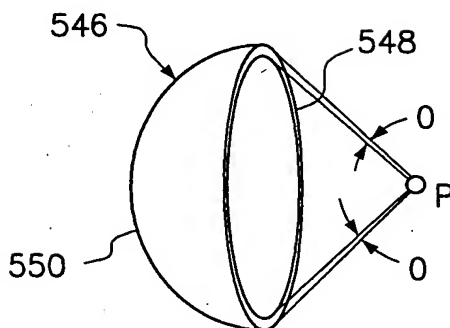


FIGURE 29(a)

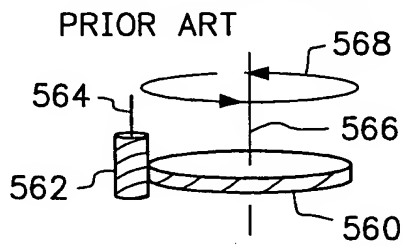


FIGURE 29(b)

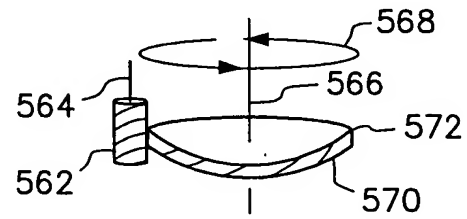


FIGURE 29(c)

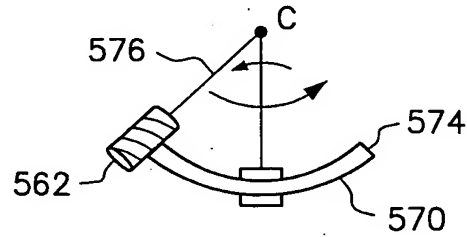
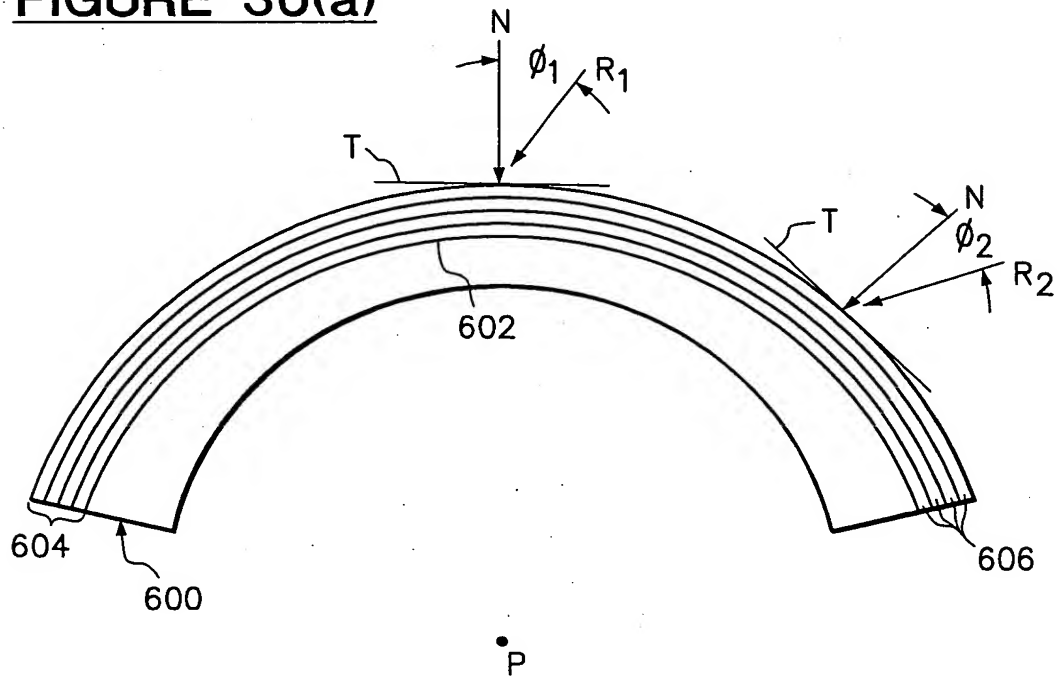


FIGURE 30(a)



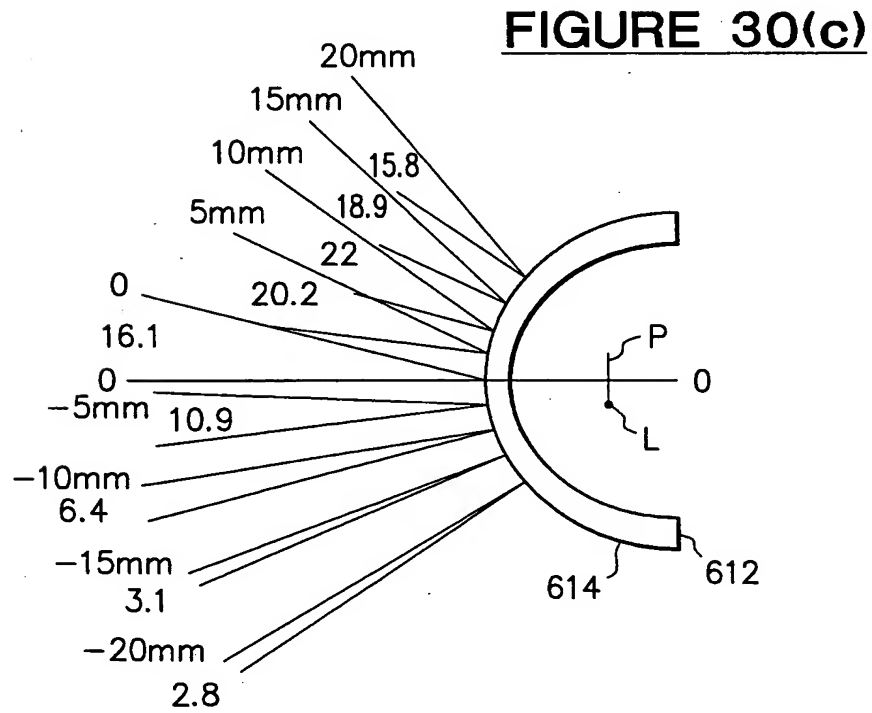
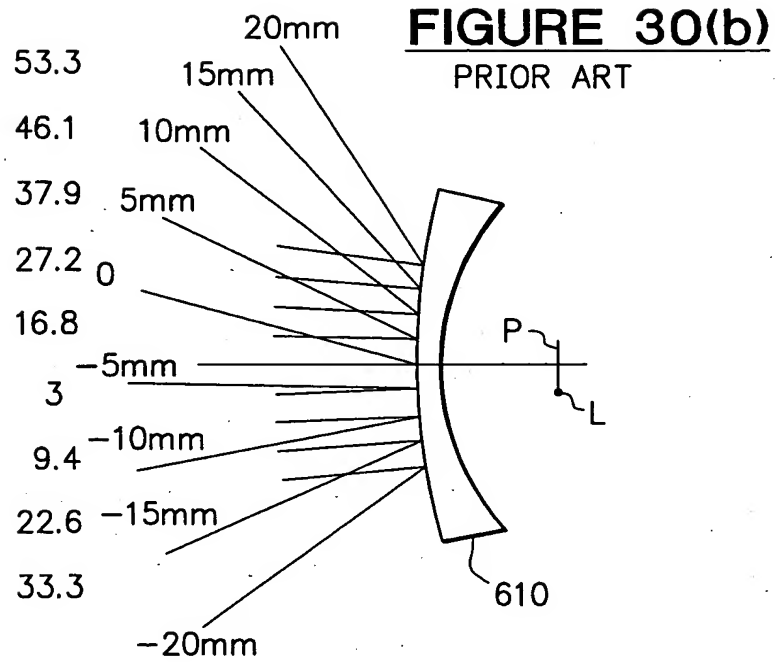


FIGURE 31

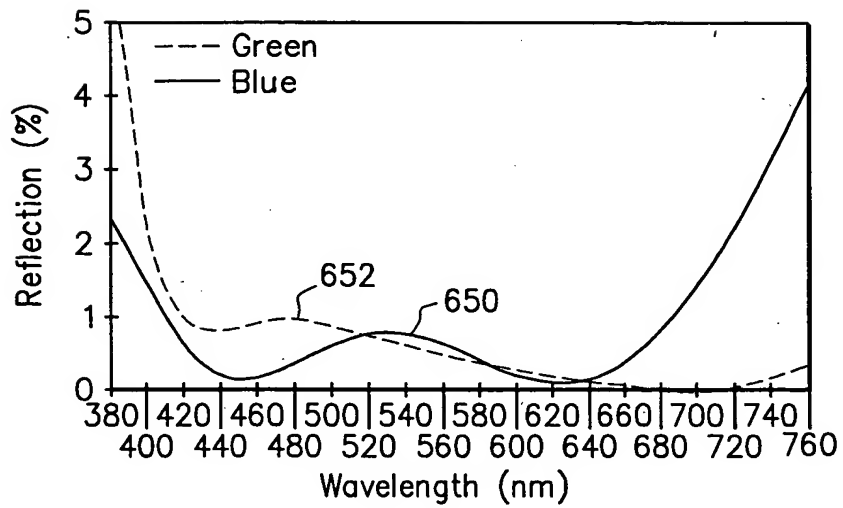


FIGURE 32

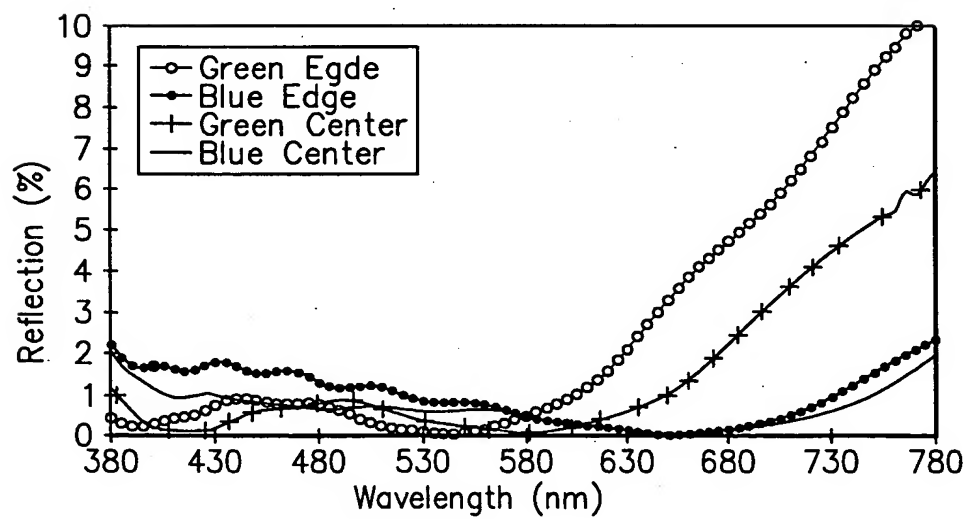


FIGURE 33

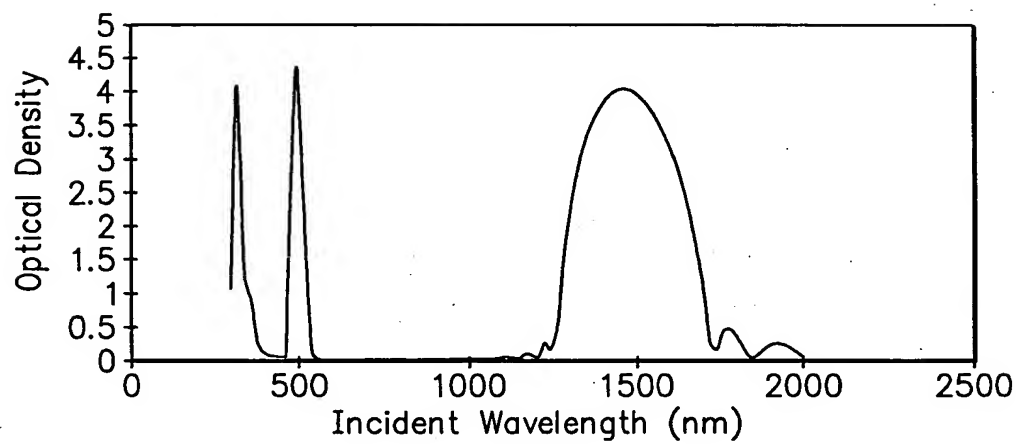


FIGURE 34

